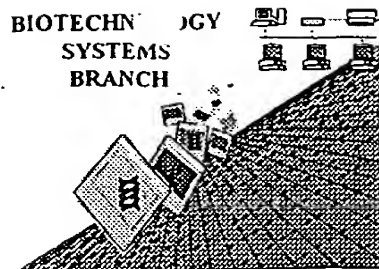


## RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/424,482A

Source: 1627

Date Processed by STIC: 3-30-01

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APR 10 2001

TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

### Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

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1627

## RAW SEQUENCE LISTING

DATE: 03/30/2001

PATENT APPLICATION: US/09/424,482A

TIME: 10:39:12

Input Set : A:\09424482.txt

Output Set: N:\CRF3\03302001\I424482A.raw

Does Not Comply  
Corrected Diskette Needed

3 <110> APPLICANT: Medical Research Council  
4 Choo, Yen  
5 Klug, Aaron  
6 Isalan, Mark  
8 <120> TITLE OF INVENTION: Nucleic Acid Binding Polypeptide Library  
10 <130> FILE REFERENCE: 71278/264974  
12 <140> CURRENT APPLICATION NUMBER: US 09/424,482A  
C--> 13 <141> CURRENT FILING DATE: 2000-02-29  
15 <150> PRIOR APPLICATION NUMBER: GB9710809.6  
16 <151> PRIOR FILING DATE: 1997-05-23  
18 <150> PRIOR APPLICATION NUMBER: PCT/GB98/01510  
19 <151> PRIOR FILING DATE: 1998-05-25  
21 <160> NUMBER OF SEQ ID NOS: 19  
23 <170> SOFTWARE: PatentIn version 3.0  
25 <210> SEQ ID NO: 1  
26 <211> LENGTH: 9  
27 <212> TYPE: DNA  
28 <213> ORGANISM: Artificial  
30 <220> FEATURE:  
31 <223> OTHER INFORMATION: Description of Artificial Sequence: LIB-A DNA sorting  
32 sequence  
34 <220> FEATURE:  
35 <221> NAME/KEY: variation  
36 <222> LOCATION: (2)..(4)  
37 <223> OTHER INFORMATION: n is any nucleotide  
40 <400> SEQUENCE: 1  
W--> 41 gnnncggcg  
44 <210> SEQ ID NO: 2  
45 <211> LENGTH: 9  
46 <212> TYPE: DNA  
47 <213> ORGANISM: Artificial  
49 <220> FEATURE:  
50 <223> OTHER INFORMATION: Description of Artificial Sequence: LIB-B DNA sorting  
51 sequence  
53 <220> FEATURE:  
54 <221> NAME/KEY: variation  
55 <222> LOCATION: (3)..(4)  
56 <223> OTHER INFORMATION: n is any other nucleotide  
59 <400> SEQUENCE: 2  
W--> 60 gcnncggcg  
63 <210> SEQ ID NO: 3  
64 <211> LENGTH: 9  
65 <212> TYPE: DNA  
66 <213> ORGANISM: Artificial  
68 <220> FEATURE:  
69 <223> OTHER INFORMATION: Description of Artificial DNA: LIB 1/2 sorting sequence  
71 <220> FEATURE:

As per section 1.823  
of the new sequence rules,  
<213> response must be  
"artificial sequence" in its  
entirety.

Please note that all sequences  
in the listing are erred in  
this manner. Please review  
and correct. 9

9

## RAW SEQUENCE LISTING

DATE: 03/30/2001

PATENT APPLICATION: US/09/424,482A

TIME: 10:39:12

Input Set : A:\09424482.txt

Output Set: N:\CRF3\03302001\I424482A.raw

72 <221> NAME/KEY: variation  
73 <222> LOCATION: (5)..(9) ✓  
74 <223> OTHER INFORMATION: n is any other nucleotide  
77 <400> SEQUENCE: 3  
W--> 78 gcggnnnnn 9  
81 <210> SEQ ID NO: 4  
82 <211> LENGTH: 31  
83 <212> TYPE: PRT  
84 <213> ORGANISM: Artificial  
86 <220> FEATURE:  
87 <223> OTHER INFORMATION: Description of Artificial Sequence: Structure A  
89 <220> FEATURE:  
90 <221> NAME/KEY: SITE  
91 <222> LOCATION: (1)..(2) ✓  
92 <223> OTHER INFORMATION: Xaa is any amino acid  
95 <220> FEATURE:  
96 <221> NAME/KEY: SITE  
97 <222> LOCATION: (4)..(8) ✓  
98 <223> OTHER INFORMATION: Xaa is any amino acid  
101 <220> FEATURE:  
102 <221> NAME/KEY: SITE  
103 <222> LOCATION: (10)..(23) ✓  
104 <223> OTHER INFORMATION: Xaa is any amino acid  
107 <220> FEATURE:  
108 <221> NAME/KEY: SITE  
109 <222> LOCATION: (25)..(30) ✓  
110 <223> OTHER INFORMATION: Xaa is any amino acid  
113 <220> FEATURE:  
114 <221> NAME/KEY: VARIANT  
115 <222> LOCATION: (1)..(2)  
116 <223> OTHER INFORMATION: 0-2 residues may be missing  
119 <220> FEATURE:  
120 <221> NAME/KEY: VARIANT  
121 <222> LOCATION: (4)..(8)  
122 <223> OTHER INFORMATION: 0-4 residues may be missing  
125 <220> FEATURE:  
126 <221> NAME/KEY: VARIANT  
127 <222> LOCATION: (10)..(23)  
128 <223> OTHER INFORMATION: 0-5 residues may be missing  
131 <220> FEATURE:  
132 <221> NAME/KEY: VARIANT  
133 <222> LOCATION: (25)..(30)  
134 <223> OTHER INFORMATION: 0-3 residues may be missing  
137 <220> FEATURE:  
138 <221> NAME/KEY: SITE  
139 <222> LOCATION: (31)..(31) ✓  
140 <223> OTHER INFORMATION: X is His or Cys  
143 <400> SEQUENCE: 4  
W--> 145 Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/424,482A

DATE: 03/30/2001

TIME: 10:39:12

Input Set : A:\09424482.txt

Output Set: N:\CRF3\03302001\I424482A.raw

```

146 1      5      10      15
W--> 148 Xaa Xaa Xaa Xaa Xaa Xaa Xaa His Xaa Xaa Xaa Xaa Xaa Xaa Xaa
149      20      25      30
151 <210> SEQ ID NO: 5
152 <211> LENGTH: 24
153 <212> TYPE: PRT
154 <213> ORGANISM: Artificial
156 <220> FEATURE:
157 <223> OTHER INFORMATION: Description of Artificial Sequence: Structure B
159 <220> FEATURE:
160 <221> NAME/KEY: SITE
161 <222> LOCATION: (1)..(1) /
162 <223> OTHER INFORMATION: Xaa is any amino acid
165 <220> FEATURE:
166 <221> NAME/KEY: SITE
167 <222> LOCATION: (3)..(6) /
168 <223> OTHER INFORMATION: Xaa is any amino acid
171 <220> FEATURE:
172 <221> NAME/KEY: SITE
173 <222> LOCATION: (8)..(10) /
174 <223> OTHER INFORMATION: Xaa is any amino acid
177 <220> FEATURE:
178 <221> NAME/KEY: SITE
179 <222> LOCATION: (12)..(16) /
180 <223> OTHER INFORMATION: Xaa is any amino acid
183 <220> FEATURE:
184 <221> NAME/KEY: SITE
185 <222> LOCATION: (18)..(19) /
186 <223> OTHER INFORMATION: Xaa is any amino acid
189 <220> FEATURE:
190 <221> NAME/KEY: SITE
191 <222> LOCATION: (21)..(23) /
192 <223> OTHER INFORMATION: Xaa is any amino acid
195 <220> FEATURE:
196 <221> NAME/KEY: VARIANT
197 <222> LOCATION: (3)..(6) /
198 <223> OTHER INFORMATION: 0-2 residues may be missing
201 <220> FEATURE:
202 <221> NAME/KEY: VARIANT /
203 <222> LOCATION: (8)..(10) /
204 <223> OTHER INFORMATION: 0-1 residue may be missing
207 <400> SEQUENCE: 5
W--> 209 Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa
210 1      5      10      15
W--> 212 Leu Xaa Xaa His Xaa Xaa Xaa His
213      20
215 <210> SEQ ID NO: 6
216 <211> LENGTH: 4
217 <212> TYPE: PRT

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/424,482A

DATE: 03/30/2001

TIME: 10:39:12

Input Set : A:\09424482.txt

Output Set: N:\CRF3\03302001\I424482A.raw

218 <213> ORGANISM: Artificial  
 220 <220> FEATURE:  
 221 <223> OTHER INFORMATION: Description of Artificial Sequence: Linker  
 223 <400> SEQUENCE: 6  
 225 Thr Gly Glu Lys  
 226 1  
 228 <210> SEQ ID NO: 7  
 229 <211> LENGTH: 5  
 230 <212> TYPE: PRT  
 231 <213> ORGANISM: Artificial  
 233 <220> FEATURE:  
 234 <223> OTHER INFORMATION: Description of Artificial Sequence: Linker  
 236 <400> SEQUENCE: 7  
 238 Thr Gly Glu Lys Pro  
 239 1 5  
 241 <210> SEQ ID NO: 8  
 242 <211> LENGTH: 26  
 243 <212> TYPE: PRT  
 244 <213> ORGANISM: Artificial  
 246 <220> FEATURE:  
 247 <223> OTHER INFORMATION: Description of Artificial Sequence: Consensus structure  
 249 <400> SEQUENCE: 8  
 251 Pro Tyr Lys Cys Pro Glu Cys Gly Lys Ser Phe Ser Gln Lys Ser Asp  
 252 1 5 10 15  
 254 Leu Val Lys His Gln Arg Thr His Thr Gly  
 255 20 25  
 257 <210> SEQ ID NO: 9  
 258 <211> LENGTH: 29  
 259 <212> TYPE: PRT  
 260 <213> ORGANISM: Artificial  
 262 <220> FEATURE:  
 263 <223> OTHER INFORMATION: Description of Artificial Sequence: Consensus structure  
 265 <400> SEQUENCE: 9  
 267 Pro Tyr Lys Cys Ser Glu Cys Gly Lys Ala Phe Ser Gln Lys Ser Asn  
 268 1 5 10 15  
 270 Leu Thr Arg His Gln Arg Ile His Thr Gly Glu Lys Pro  
 271 20 25  
 273 <210> SEQ ID NO: 10  
 274 <211> LENGTH: 6  
 275 <212> TYPE: PRT  
 276 <213> ORGANISM: Artificial  
 278 <220> FEATURE:  
 279 <223> OTHER INFORMATION: Description of Artificial Sequence: Leader peptide  
 281 <400> SEQUENCE: 10  
 283 Met Ala Glu Glu Lys Pro  
 284 1 5  
 286 <210> SEQ ID NO: 11  
 287 <211> LENGTH: 9  
 288 <212> TYPE: DNA

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/424,482A

DATE: 03/30/2001

TIME: 10:39:12

Input Set : A:\09424482.txt

Output Set: N:\CRF3\03302001\I424482A.raw

289 <213> ORGANISM: Artificial

291 <220> FEATURE:

292 <223> OTHER INFORMATION: Description of Artificial DNA: LIB 2/3 DNA sorting sequence

294 <220> FEATURE:

295 <221> NAME/KEY: variation

296 <222> LOCATION: (1)..(5)

297 <223> OTHER INFORMATION: n is any nucleotide

300 <400> SEQUENCE: 11

W--> 301 hnnnnnggcg 9

304 <210> SEQ ID NO: 12

305 <211> LENGTH: 9

306 <212> TYPE: DNA

307 <213> ORGANISM: Artificial

309 <220> FEATURE:

310 <223> OTHER INFORMATION: Description of Artificial Sequence: Zinc finger -DNA

311 interaction sequence

313 <400> SEQUENCE: 12

314 cgccccacgc 9

317 <210> SEQ ID NO: 13

318 <211> LENGTH: 9

319 <212> TYPE: DNA

320 <213> ORGANISM: Artificial

322 <220> FEATURE:

323 <223> OTHER INFORMATION: Description of Artificial Sequence: Zinc finger-DNA

324 interaction sequence

326 <400> SEQUENCE: 13

327 acgcccacg 9

330 <210> SEQ ID NO: 14

331 <211> LENGTH: 9

332 <212> TYPE: DNA

333 <213> ORGANISM: Artificial

335 <220> FEATURE:

336 <223> OTHER INFORMATION: Description of Artificial Sequence: Zinc finger-DNA

337 interaction sequence

339 <400> SEQUENCE: 14

340 gcgtgggcg 9

343 <210> SEQ ID NO: 15

344 <211> LENGTH: 9

345 <212> TYPE: DNA

346 <213> ORGANISM: Artificial

348 <220> FEATURE:

349 <223> OTHER INFORMATION: Description of Artificial Sequence: Zinc finger-DNA

350 interaction library designed sequence

352 <220> FEATURE:

353 <221> NAME/KEY: variation

354 <222> LOCATION: (7)..(9)

355 <223> OTHER INFORMATION: n is any nucleotide

358 <400> SEQUENCE: 15

W--> 359 acgcccnnn 9

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/424,482A

DATE: 03/30/2001

TIME: 10:39:13

Input Set : A:\09424482.txt

Output Set: N:\CRF3\03302001\I424482A.raw

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:41 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:60 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:78 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:145 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:148 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:212 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:301 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11  
L:359 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15  
L:404 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17  
L:429 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18  
L:451 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19